

LAND APPLICATION SITE

THELMA M. MEADOWS

MATMM 1 - 13

MADISON COUNTY

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 6-17-19 between Thelma Meadows referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Madison, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>21-40A</u>	<u>29-94</u>		
<u>21-43</u>	<u>21-65</u>		
<u>29-92</u>	<u>21-65A</u>		
<u>29-93</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>Thelma Meadows</u> By: <u>Eileen M. Early</u> Title* <u>Power of Attorney</u>	Mailing Address <u>442 Meadows Lane</u> <u>Madison, VA 22727</u> Phone No. <u>540-923-4226</u>	Landowner Signature <u>Eileen M. Early, for</u> <u>for Thelma Meadows</u>
* <input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. * <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Susan Trumbo Title Technical Manager	Mailing Address PO Box 562, Remington Virginia 22734 Phone No. 540-547-3300	Permittee Authorized Representative Signature <u>[Signature]</u>
--	---	---

Permittee: Recyc Systems, Inc

County or City: Madison

Landowner: Thelma Meadows

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Ellen M. Early for Thelma Meadows
Landowner's Signature

6-17-19
Date

Dominic M. Wheeler
Operator's Signature

409 Meadows Lane
Madison, VA 22727
mailing address & phone

6-17-19
Date

540-723-4374
540-222-0587

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 6-25-19 between Ronnie Travis Meadows referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Madison, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>21-43B</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

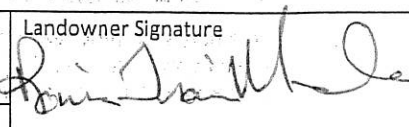
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

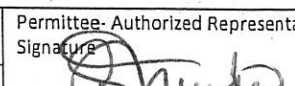
Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No

Printed name <u>Ronnie TRAVIS Meadows</u>	Mailing Address <u>409 Meadows Ln Madison, VA 22127</u>	Landowner Signature 
By: <u>CW Parker</u>	Phone No. <u>540 822 0587</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Madison

Landowner: Ronnie Travis Meadows

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Ronnie Travis Meadows

Landowner's Signature

June 25/19

Date

Ronnie Travis Meadows

Operator's Signature

409 Meadows Ln.
Madison, VA 22712
540-222-0587


mailing address & phone

June 25/19

Date

FARM DATA SHEET

SITE NAME:	Thelma M. Meadows	COUNTY:	Madison
OWNER:	See List Below	OPERATOR:	Travis Meadows
OWNER'S	See List Below	OPERATOR'S	409 Meadows Lane
ADDRESS:		ADDRESS:	Madison, VA 22727
OWNER'S TELEPHONE:	See List Below	OPERATOR'S TELEPHONE:	540-923-4374
GENERAL FARM TYPE:	Hay/ Pasture	CELL PHONE:	540-222-0587
# CATTLE:	60	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	Fields 1-7 38.458 Fields 8-13 38.465
TOPO QUAD:	Madison	LONGITUDE:	Fields 1-7 -78.308 Fields 8-13 -78.302
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
Ronnie Travis Meadows 409 Meadows Lane Madison, VA 22727 540-222-0587		Thelma M. Meadows Ellen M. Early, Power of Attorney 142 Meadows Lane Madison, VA 22727 540-923-4224	

BB 
8-6-19

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	DEQ Control ID	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
			Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
MATMM 1		24.3	-	-	-	-	RA 32	21-43 29-93 29-94	T 433 F 3, 4
MATMM 2		10.0	Cn Nov.-Apr.	-	-	Cn Nov.-Apr.	RA 32	21-43	T 433 F 4, 8
MATMM 3		6.7	-	-	-	-	RA 32	29-94	T 433 F 3
MATMM 4		4.5	Cn Nov.-Apr.	-	-	Cn Nov.-Apr.	RA 32	21-43	T 433 F 2
MATMM 5		6.9	Ad Nov.-May Cn Nov.-Apr.	-	-	Ad Nov.-May Cn Nov.-Apr.	RA 32	21-43	T 433 F 2
MATMM 6		7.2	Ad Nov.-May Cn Nov.-Apr.	-	-	Ad Nov.-May Cn Nov.-Apr.	RA 32	21-43B	T 433 F 1
MATMM 7		3.4	-	-	-	-	RA 32	29-92	T 433 F 3
MATMM 8		2.5	Ad Nov.-May Cn Nov.-Apr.	-	-	Ad Nov.-May Cn Nov.-Apr.	RA 32	21-65	T 355 F 5
MATMM 9		8.9	-	-	-	-	RA 32	21-65	T 355 F 4
MATMM 10		10.2	-	-	-	-	RA 32	21-65	T 355 F 6

8-6-19

MATMM 11		4.6	-	-	-	-	RA 32	21-65	T 355 F 6
MATMM 12		4.3	-	-	-	-	RA 32	21-65	T 355 F 6
MATMM 13		9.7	-	-	-	-	RA 32	21-65	T 355 F 2
TOTAL ACRES IN SITE		103.2							

8-6-19

Landowner Coordination Form

Signature not required on this page

[illegible]

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Fall, 2019-Winter, 2021)
Thelma M. Meadows
Planner: John Doe

Tract: 355

Location: Madison

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
5/MATMM 8(N)	3/3	2019	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
4/MATMM 9(N)	9/9	2019	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
6/MATMM 10(N)	10/10	2019	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			
6/MATMM 11(N)	5/5	2019	Hay/Pasture	120-80-170	0/0				120-80-170	N/A			
6/MATMM 12(N)	4/4	2019	Hay/Pasture	100-50-95	0/0				100-50-95	N/A			
2/MATMM 13(N)	10/10	2019	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 433

Location: Madison

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
3, 4/MATMM 1(N)	24/24	2019	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
4, 8/MATMM 2(N)	10/10	2019	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
3/MATMM 3(N)	7/7	2019	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
2/MATMM 4(N)	5/5	2019	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
2/MATMM 5(N)	7/7	2019	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			
1/MATMM 6(N)	7/7	2019	Grass Pasture	50-80-80	0/0				50-80-80	N/A			
3/MATMM 7(N)	3/3	2019	Grass Pasture	50-80-80	0/0				50-80-80	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
355	MATMM 8	3	[No Test]						
355	MATMM 9	9	[No Test]						
355	MATMM 10	10	[No Test]						
355	MATMM 11	5	[No Test]						
355	MATMM 12	4	[No Test]						
355	MATMM 13	10	[No Test]						
433	MATMM 1	24	[No Test]						
433	MATMM 2	10	[No Test]						
433	MATMM 3	7	[No Test]						
433	MATMM 4	5	[No Test]						
433	MATMM 5	7	[No Test]						
433	MATMM 6	7	[No Test]						
433	MATMM 7	3	[No Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
355	355/5	MATMM 8	3	Codorus	IVa	III	II	III	
	355/4	MATMM 9*	9	Dyke	IIIa	II	II	II	High Leaching, High Slope
	355/6	MATMM 10*	10	Brandywine	IVa	II	III	III	High Leaching, High Slope
	355/6	MATMM 11*	5	Dyke	IIb	I	II	II	High Leaching, High Slope
	355/6	MATMM 12*	4	Dyke	IIIa	II	II	III	High Slope
	355/2	MATMM 13	10	Dyke	IIb	I	II	II	
433	433/3, 4	MATMM 1*	24	Eubanks	IIIb	II	III	III	High Leaching, High Slope
	433/4, 8	MATMM 2*	10	Brandywine	IVa	III	III	III	High Leaching, High Slope
	433/3	MATMM 3*	7	Brandywine	IVa	III	III	III	High Leaching, High Slope
	433/2	MATMM 4	5	Codorus	IIb	II	II	II	
	433/2	MATMM 5*	7	Alluvial land	V	V	III	Not Suited	High Slope
	433/1	MATMM 6*	7	Alluvial land	V	V	III	Not Suited	High Leaching, High Slope
	433/3	MATMM 7*	3	Meadowville	IIIa	II	II	II	High Slope

* Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: **New Plan** **Fall, 2019 - Winter, 2021**

Farm Name: **Thelma M. Meadows**

Location: Madison

Specialist: John Doe

N-based Acres: 103.2

P-based Acres: 0.0

Tract Name: **355**

FSA Number: 355

Location: Madison

Field Name: **MATMM 8**

Total Acres: 2.50 Usable Acres: 2.50

FSA Number: 5

Tract: 355

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
---------	--------	-------------

19	Ad	Alluvial land
4	BeF	Brandywine
59	Cn	Codorus
17	SrC	Starr

Field Warnings:

Field Name: MATMM 9

Total Acres: 8.90 Usable Acres: 8.90

FSA Number: 4

Tract: 355

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
4	BeF	Brandywine
39	DkB	Dyke
3	DkE2	Dyke
4	EuD3	Eubanks Lloyd
20	EyD2	Eubanks Lloyd
30	SrC	Starr

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Field Name: MATMM 10

Total Acres: 10.20 Usable Acres: 10.20

FSA Number: 6

Tract: 355

Location: Madison

Slope Class: D Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
38	BeF	Brandywine
3	DkB	Dyke
9	EuD3	Eubanks Lloyd
37	EyC2	Eubanks Lloyd
13	SrC	Starr

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Field Name: MATMM 11

Total Acres: 4.60 Usable Acres: 4.60

FSA Number: 6

Tract: 355

Location: Madison

Slope Class: E Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
15	SrC	Starr
79	DkE2	Dyke
6	BnF	Brandywine

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Field Name: MATMM 12

Total Acres: 4.30 Usable Acres: 4.30

FSA Number: 6

Tract: 355

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
47	DkB Dyke	
14	DkE2 Dyke	
39	EuD3 Eubanks Lloyd	

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with perent slope in excess of 15%

Field Name: MATMM 13

Total Acres: 9.70 Usable Acres: 9.70

FSA Number: 2
Tract: 355
Location: Madison
Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
67	DkB Dyke	
28	DkC2 Dyke	
5	DkE2 Dyke	

Field Warnings:

Tract Name: 433

FSA Number: 433

Location: Madison

Field Name: MATMM 1

Total Acres: 24.30 Usable Acres: 24.30

FSA Number: 3, 4

Tract: 433

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
6	BeC	Brandywine
9	BeD	Brandywine
3	BeF	Brandywine
10	CkC2	Brandywine Chester
30	EyB	Eubanks Lloyd
8	EyB2	Eubanks Lloyd
25	EyD2	Eubanks Lloyd
9	MvB	Meadowville

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Field Name: MATMM 2

Total Acres: 10.00 Usable Acres: 10.00

FSA Number: 4, 8

Tract: 433

Location: Madison

Slope Class: D Hydrologic Group: D

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
20	BeD	Brandywine
14	BeF	Brandywine
3	Cn	Codorus
4	EyC2	Eubanks Lloyd
36	EyD2	Eubanks Lloyd
23	MvB	Meadowville

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Field Name: MATMM 3

Total Acres: 6.70 Usable Acres: 6.70

FSA Number: 3

Tract: 433

Location: Madison

Slope Class: D Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
28	BeD	Brandywine
15	BeF	Brandywine
11	EyB2	Eubanks Lloyd
36	EyD2	Eubanks Lloyd
11	MvB	Meadowville

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with percent slope in excess of 15%

Field Name: MATMM 4

Total Acres: 4.50 Usable Acres: 4.50

FSA Number: 2

Tract: 433

Location: Madison

Slope Class: B Hydrologic Group: D

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
13	BeF	Brandywine
87	Cn	Codorus

Field Warnings:

Field Name: MATMM 5

Total Acres: 6.90 Usable Acres: 6.90

FSA Number: 2

Tract: 433

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
43	Cn	Codorus
57	Ad	Alluvial land

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with perent slope in excess of 15%

Field Name: MATMM 6

Total Acres: 7.20 Usable Acres: 7.20

FSA Number: 1

Tract: 433

Location: Madison

Slope Class: D Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
62	Ad	Alluvial land
5	BeF	Brandywine
32	Cn	Codorus
1	EyD2	Eubanks Lloyd

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Field Name: MATMM 7

Total Acres: 3.40 Usable Acres: 3.40

FSA Number: 3

Tract: 433

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
52	EyD2	Eubanks Lloyd
48	MvB	Meadowville

Field Warnings:

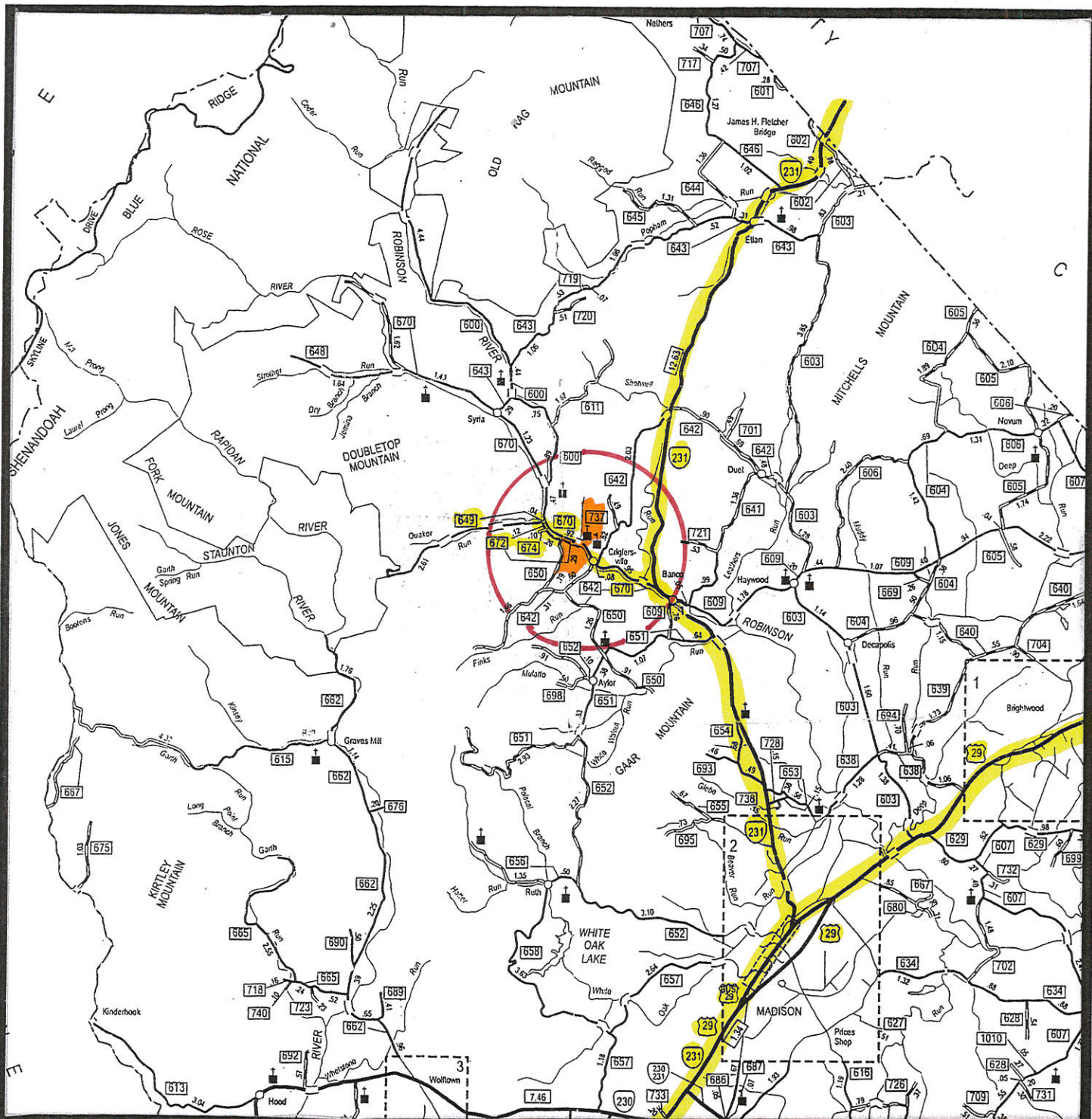
Environmentally Sensitive Soils due to:

Soils with perent slope in excess of 15%

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1" = 2 miles

MATMM 1-13

Truck Route marked
in Yellow

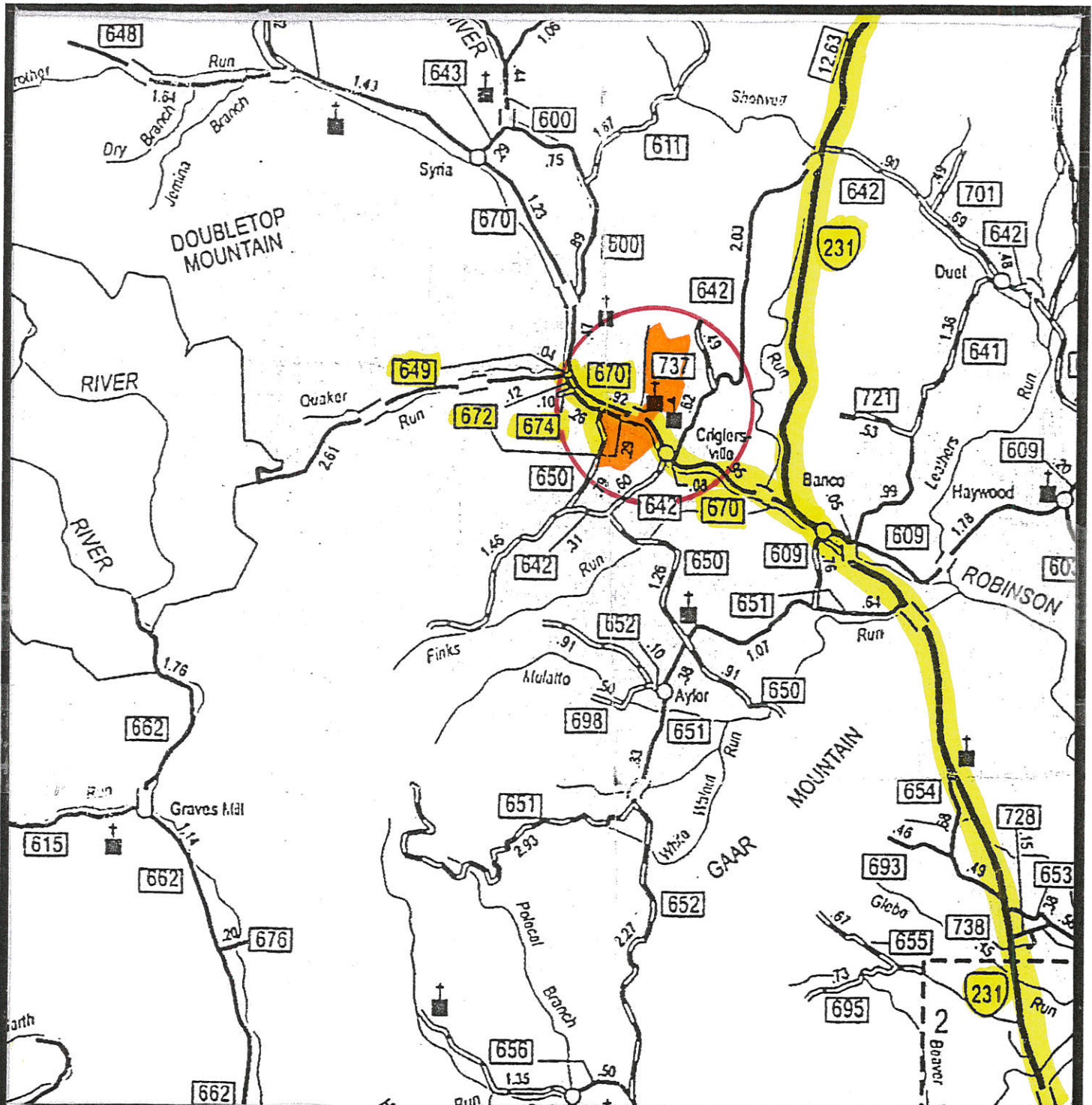
VICINITY MAP



8-6-19

Inc.

(Biosolids Land Application)



Scale: 1" = 1 mile

MATMM 1-13

Truck Route marked
in Yellow

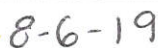
VICINITY MAP



8-6-19



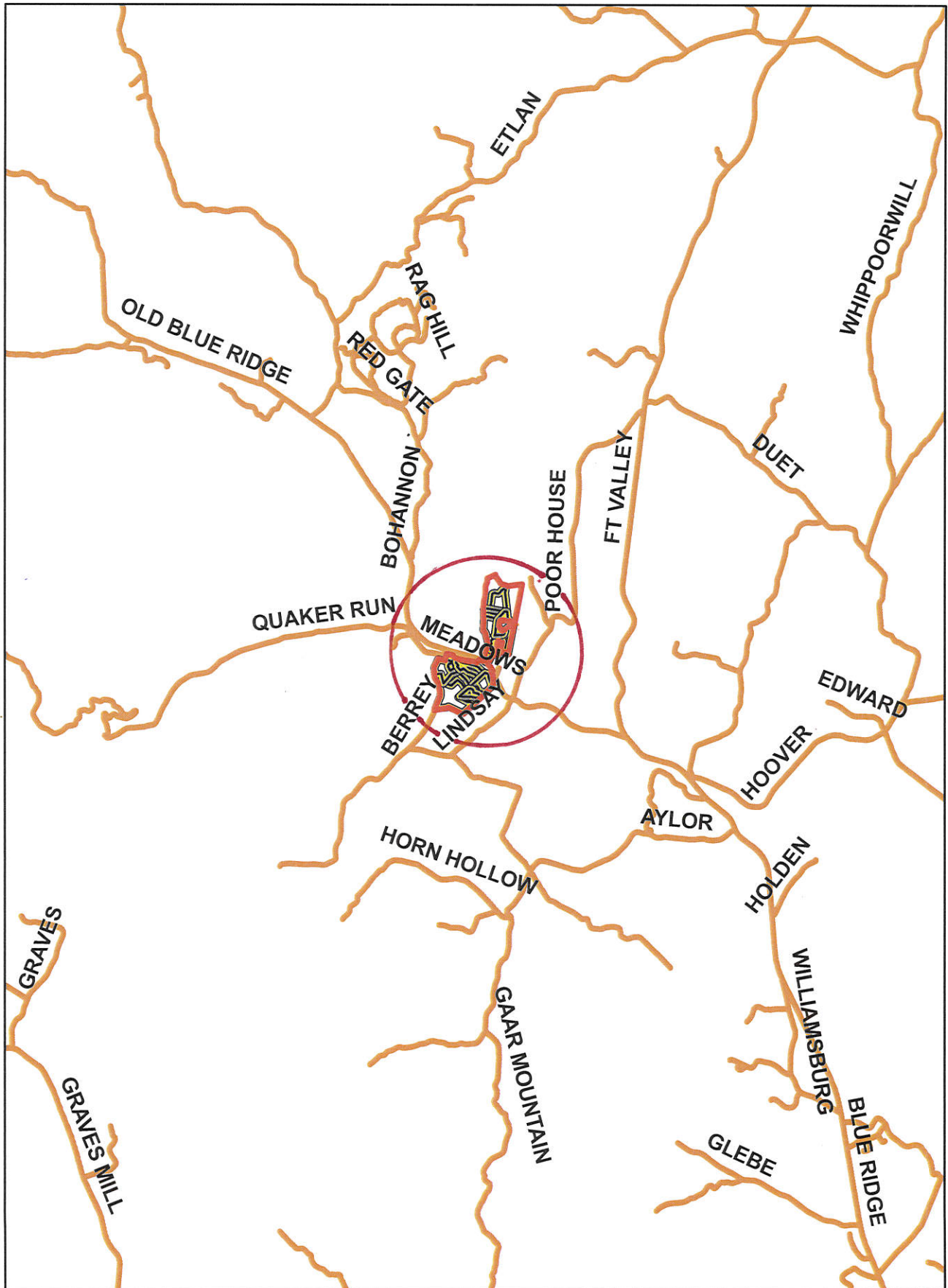
MATMM



Vicinity Map

1 in = 2 miles





8-6-19

Vicinity Map

1 in = 1 miles





MATMM



Tax Map

1 in = 833 feet





MATMM



Tax Map

1 in = 660 feet





MATMM



Tax Map

1 in = 660 feet



ADJOINING LANDOWNERS

THELMA M. MEADOWS

MADISON COUNTY

Tax Map	Parcel #	Owner Name(s)
21	40	Scott T. or Allison Hahn Sidley
	41	Peter A. or Elizabeth H. Maillet
	41A	Peter A. or Elizabeth H. Maillet
	42	Brenda Sue Hurt and Dennis Lee Grayson
	43A	Thelma M. Meadows
	45	M. Christopher Martino
	58	N. Cathryn Ross Trustee
	58A	Daniel R. Blazek
	61	Board of Supervisors of Madison Co.
	62	David A. or Kathleen L. Henken
	63	Thomas Stephen or Ellen M. Early
		Criglersville Shiloh Cemetery Asso. Trustees ; John B Finks,
	64A	Ellen M. Early, Robert Berrey
	66	Utz Farm LLC
	66A	Utz Farm LLC
	66B	Thelma M. Meadows
	81	Utz Farm LLC
	82	Utz Farm LLC
	83A	Nelson Roberts Estate c/o James L. Green
29	1	Utz Farm LLC
	91	Frank L. or Bonnie S. Dixon
	95	Utz Farm LLC



MATMM



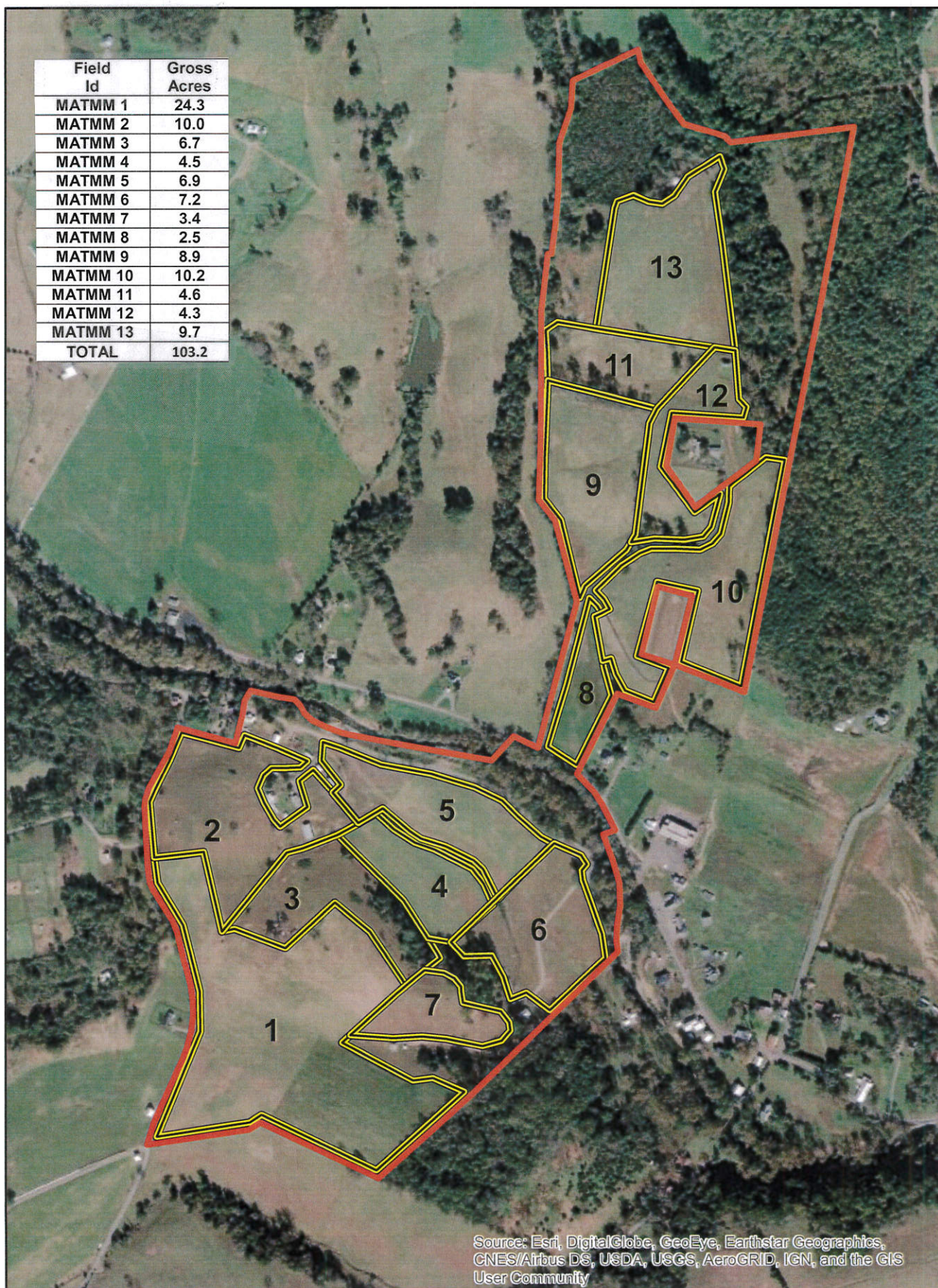
Soil Map

1 in = 660 feet





Field Id	Gross Acres
MATMM 1	24.3
MATMM 2	10.0
MATMM 3	6.7
MATMM 4	4.5
MATMM 5	6.9
MATMM 6	7.2
MATMM 7	3.4
MATMM 8	2.5
MATMM 9	8.9
MATMM 10	10.2
MATMM 11	4.6
MATMM 12	4.3
MATMM 13	9.7
TOTAL	103.2



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



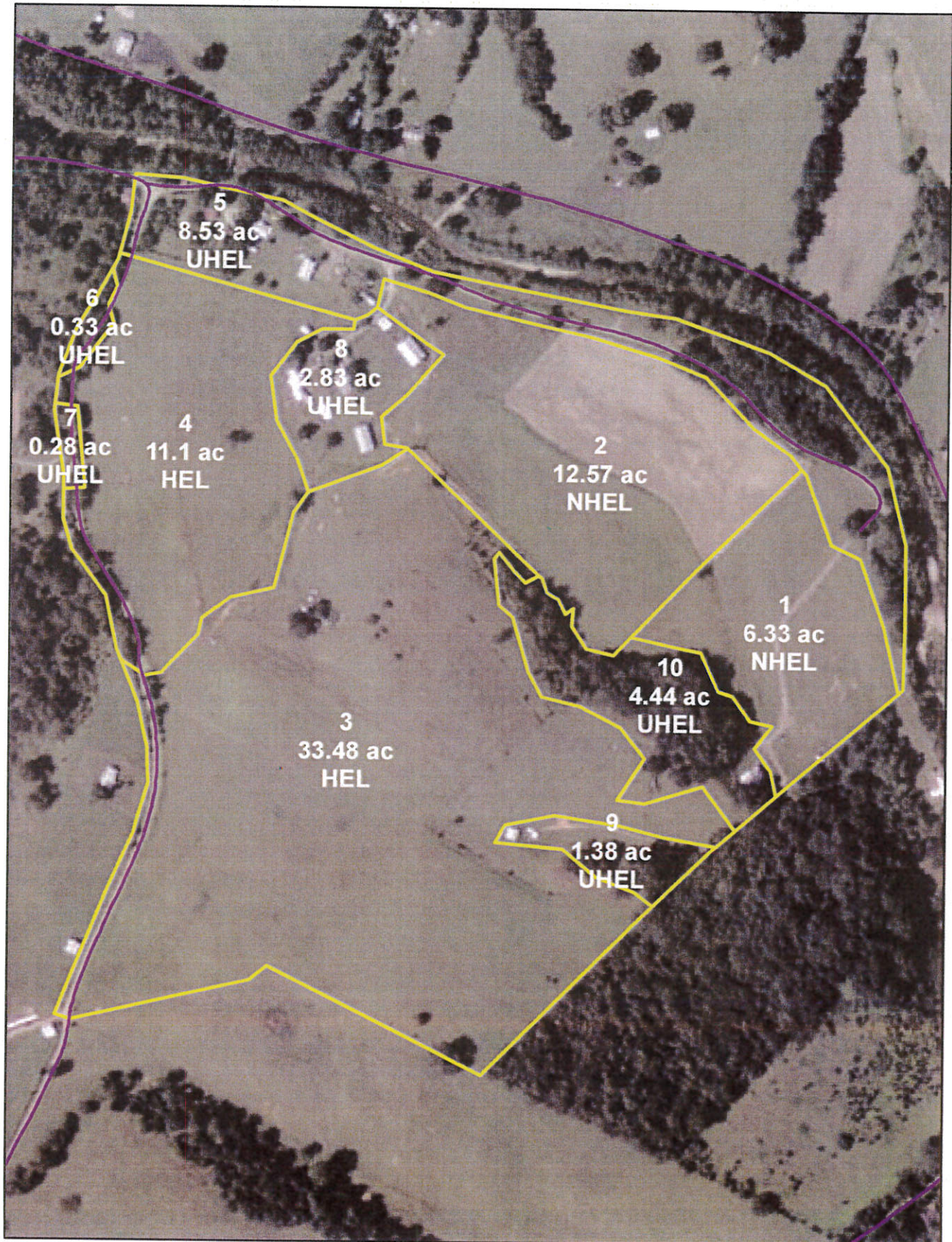
8-6-19

Aerial Map

1 in = 660 feet



UNITED STATES DEPARTMENT OF
AGRICULTURE



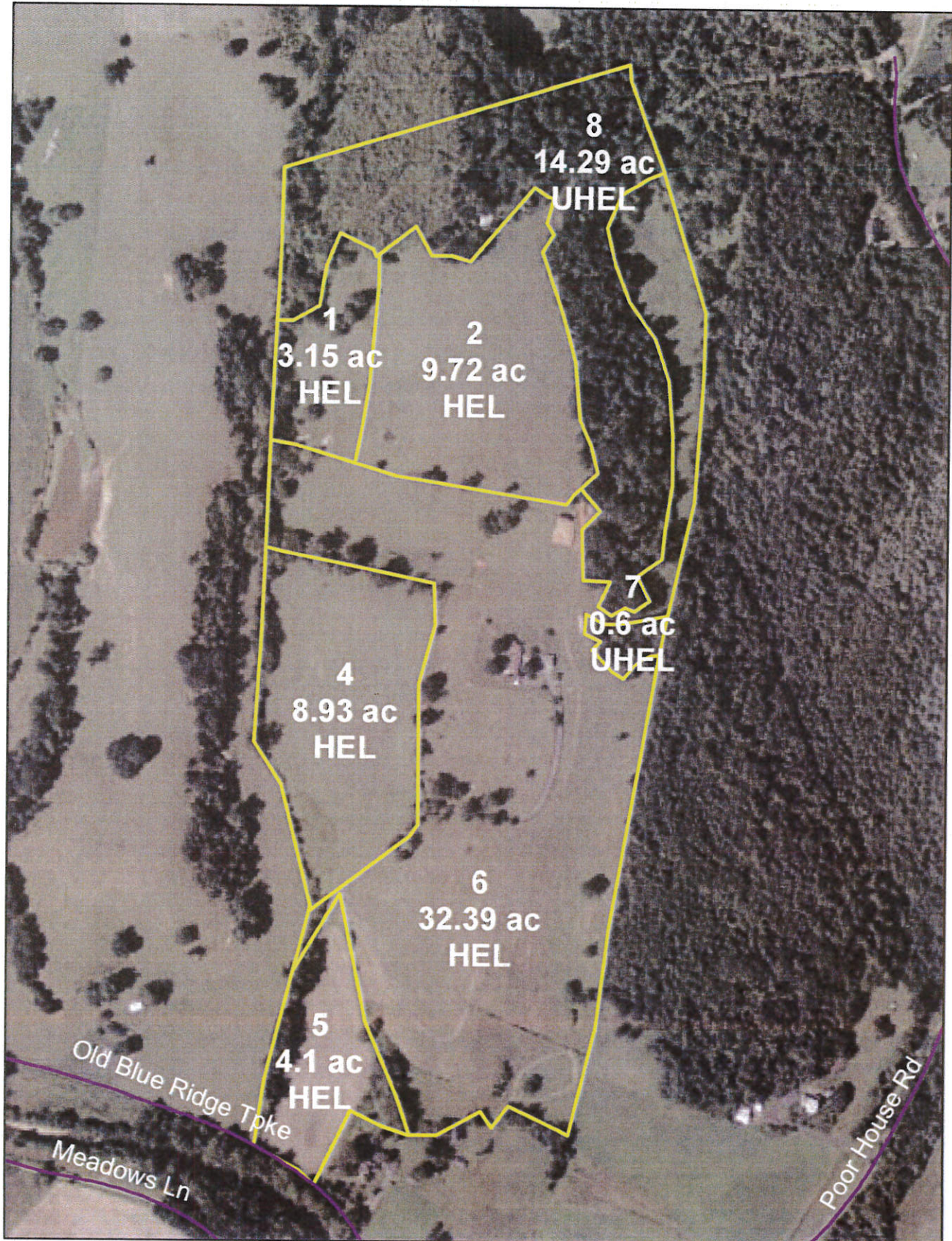
FSN 433 Tract 433
Alvin and Thelma Meadows



Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS



UNITED STATES DEPARTMENT OF
AGRICULTURE






0 0.035 0.07 0.14 Miles

FSN 433 Tract 355
Mike Coates

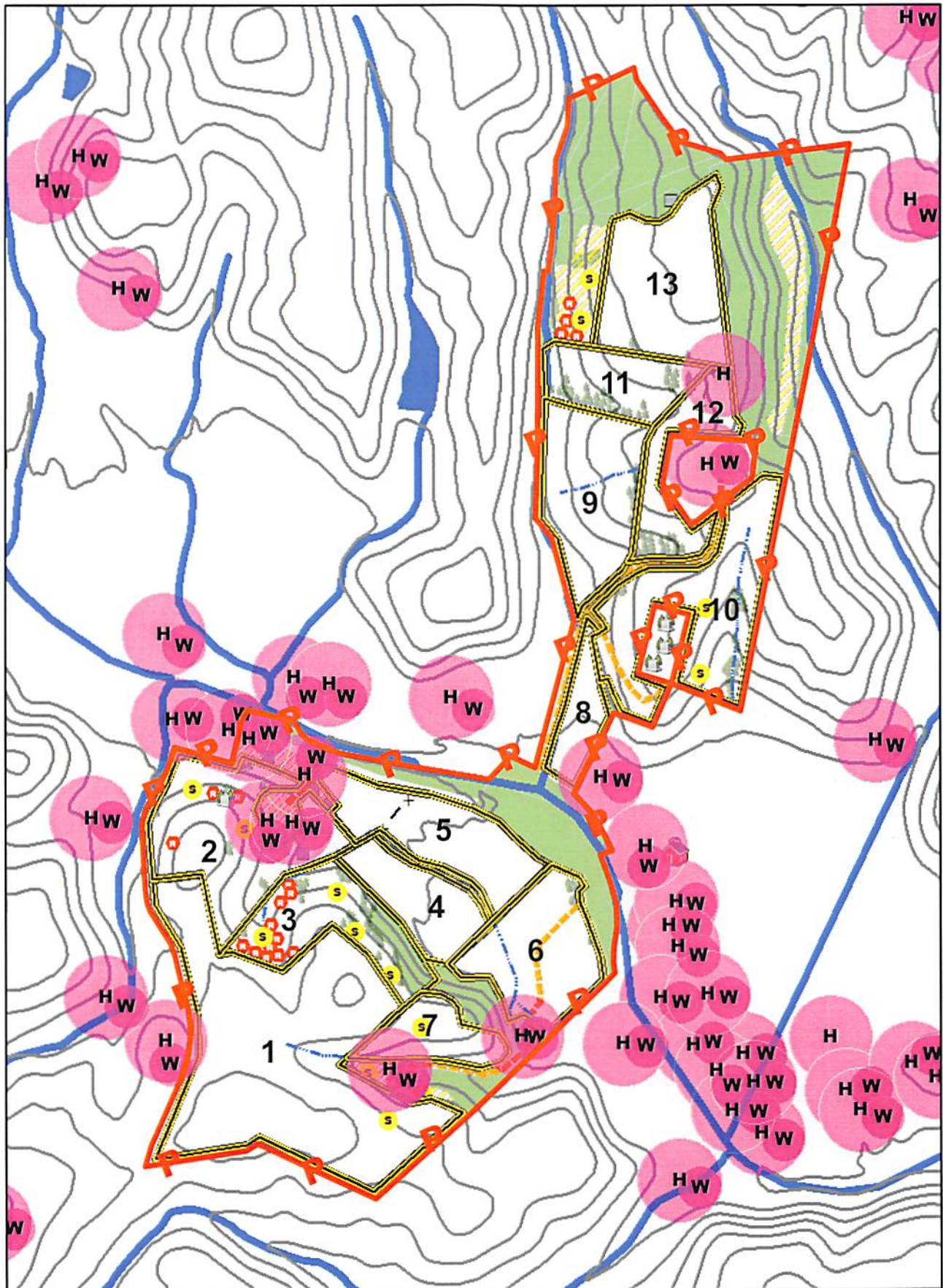


Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations. or contact NRC.S

Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
  	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
 	Slope	15% maximum
	Hashed out Area	No application

*Buffer can be reduced or waived upon written consent from landowner.

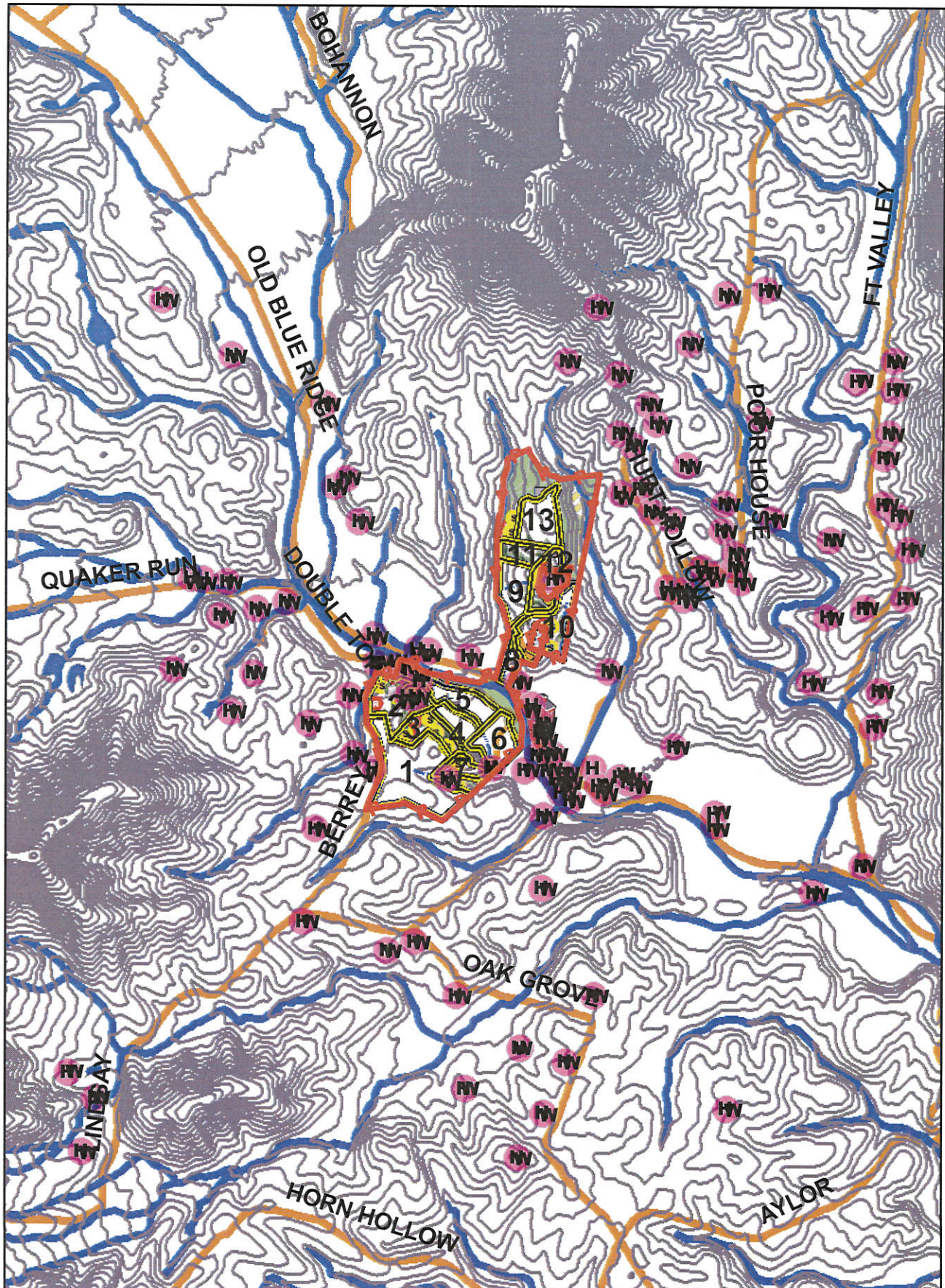


rev 11-7-19

Site Map

1 in = 660 feet





8-6-19

Topographic Map

1 in = 2,000 feet